FIG. 1

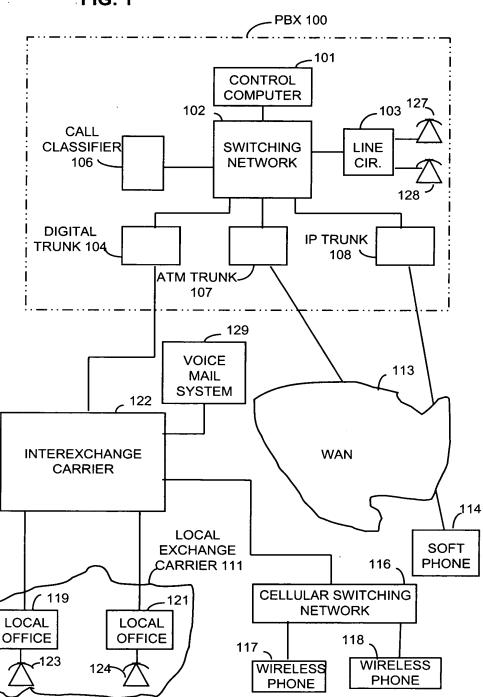
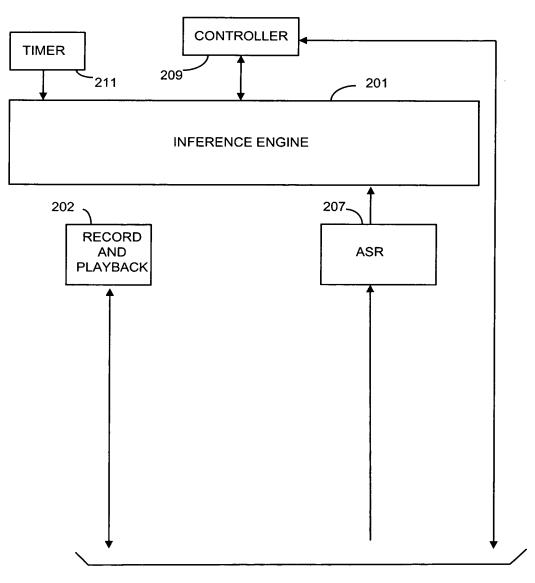




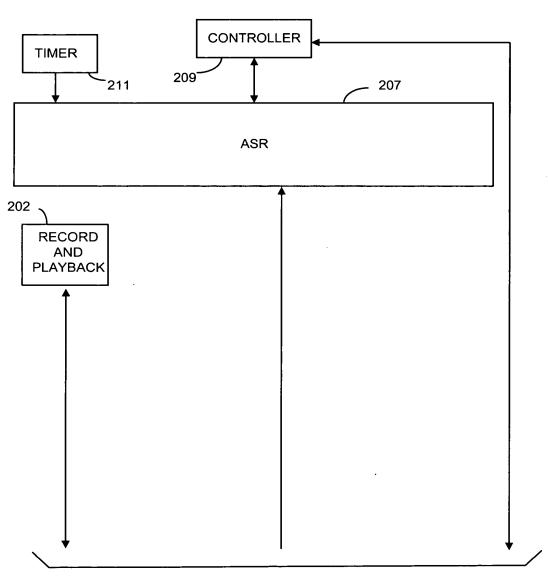
FIG. 2A



**SWITCHING NETWORK 102** 



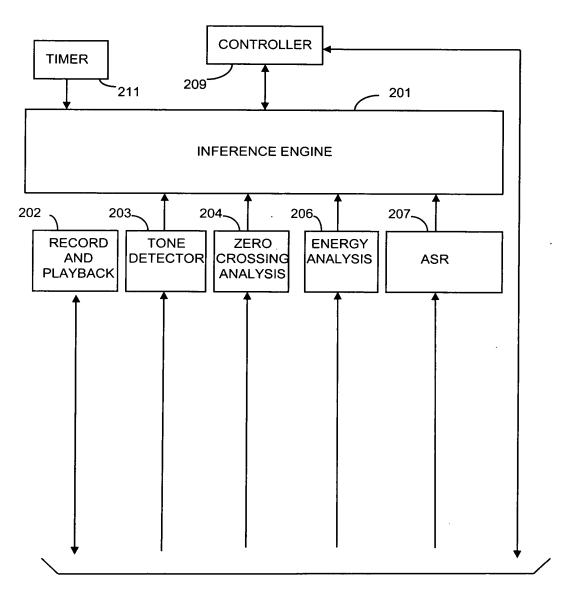
FIG. 2B



**SWITCHING NETWORK 102** 



FIG. 2C



**SWITCHING NETWORK 102** 

FIG. 3

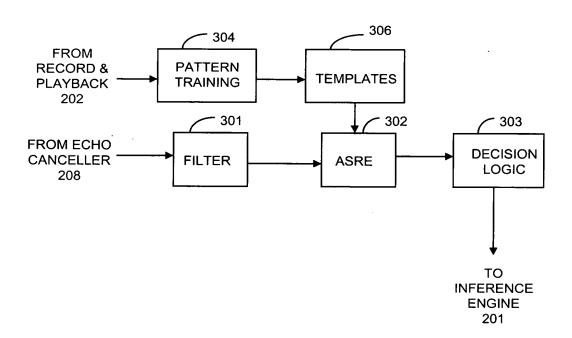


FIG. 4

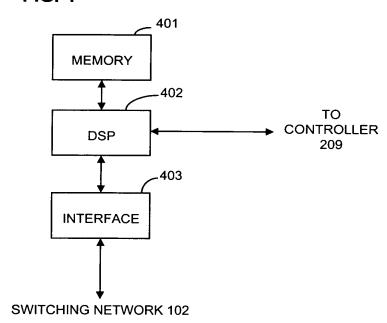


FIG. 5

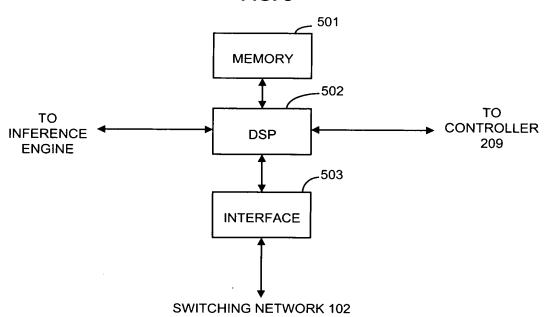


FIG. 6

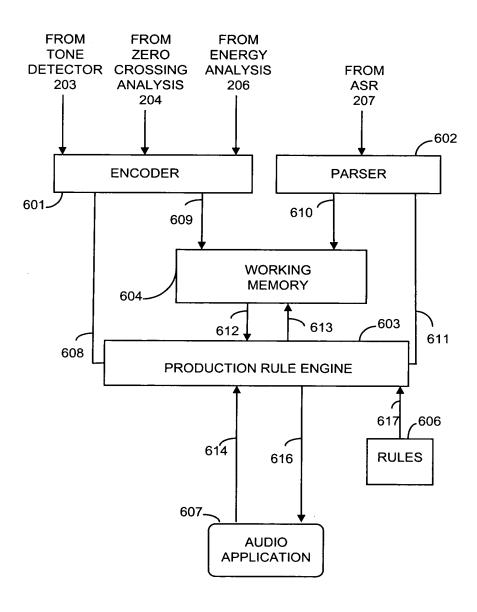


FIG. 7

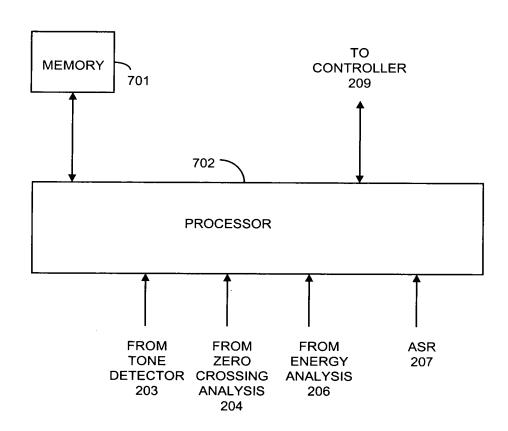


FIG. 8

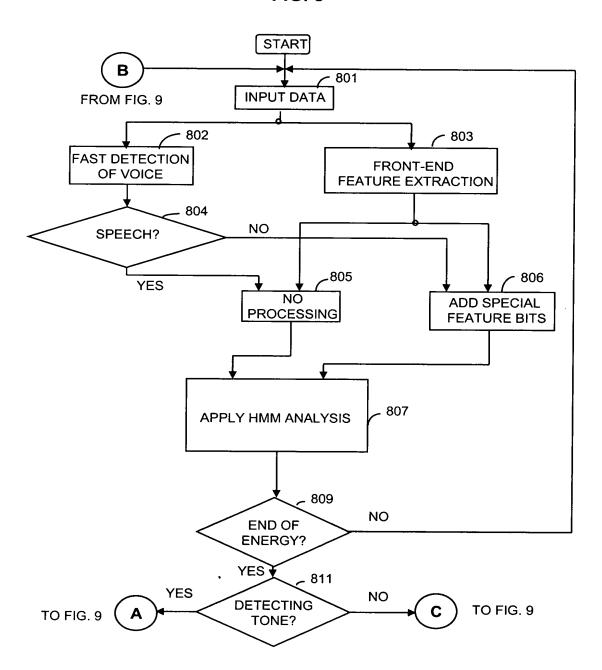


FIG. 9

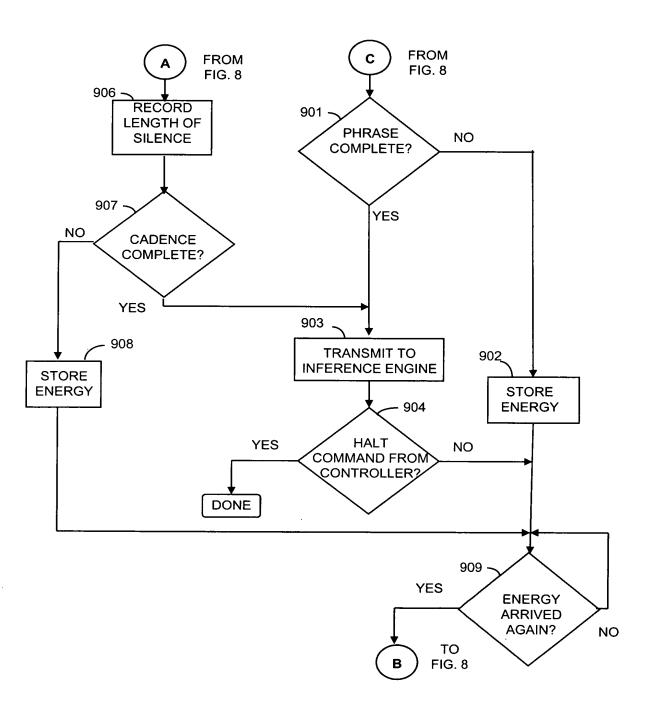


FIG. 10

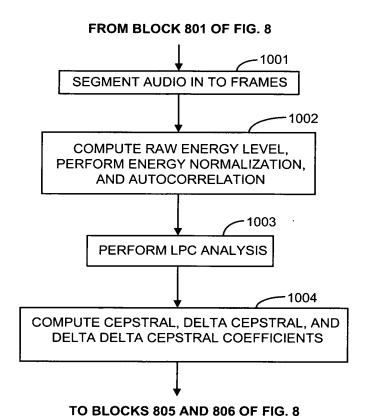
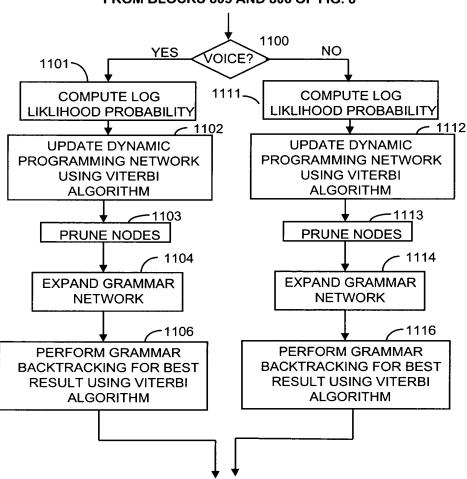


FIG. 11
FROM BLOCKS 805 AND 806 OF FIG. 8



TO DECISION BLOCK 807 OF FIG. 8



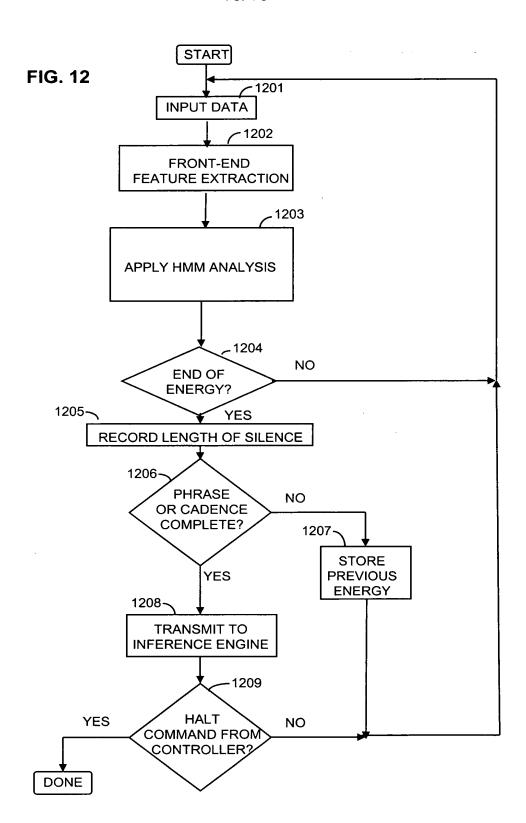
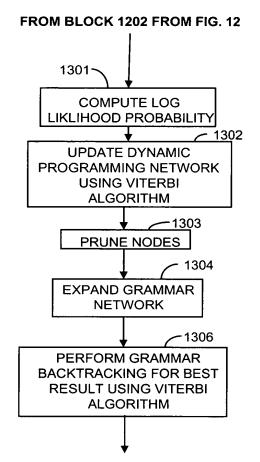


FIG. 13



**TO DECISION BLOCK 1204 ON FIG. 12** 



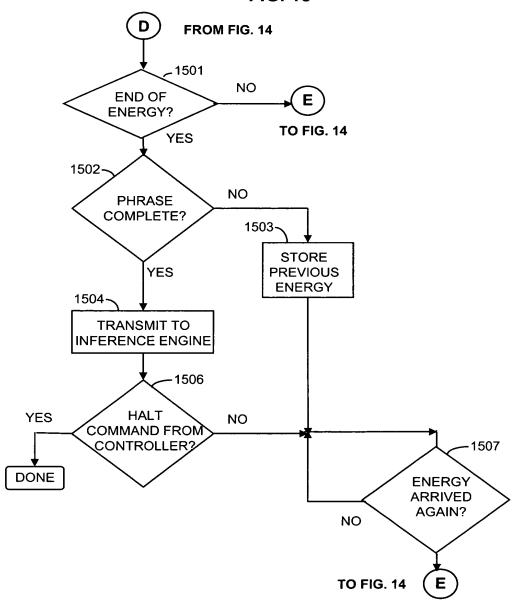
START **-1401 INPUT DATA** FROM FIG. 15 -1402 FRONT-END **FEATURE EXTRACTION** 1403-**COMPUTE LOG** LIKLIHOOD PROBABILITY **1404 UPDATE DYNAMIC** PROGRAMMING NETWORK **USING VITERBI ALGORITHM —1406** PRUNE NODES 1407 **EXPAND GRAMMAR NETWORK** -1408 PERFORM GRAMMAR BACKTRACKING FOR BEST RESULT USING VITERBI **ALGORITHM TO FIG. 15** 

FIG. 14





FIG. 15



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